

## CRATER IMAGE METADATA

### EARTH IMAGES

BMM Image #	Image ID#	LAT.	LONG.	Crater Name	Country or Geographic Region	Date Acquired	Camera/ Instrument	Lens Focal Length
1	<a href="#">ISS006-E-16068</a>	27.8S	16.4E	Roter Kamm	Namibia	12/28/2002	E4: Kodak DCS760C	400 mm
2	<a href="#">ISS012-E-15881</a>	51.5N	68.5W	Manicouagan	Canada	1/24/2006	E4: Kodak DCS760C	50 mm
3	<a href="#">ISS014-E-11841</a>	24.4N	24.4E	Oasis	Libya	1/13/2007	E4: Kodak DCS760C	400 mm
4	<a href="#">ISS014-E-15775</a>	35N	111W	Barringer	United States	3/1/2007	E4: Kodak DCS760C	400 mm
5	<a href="#">ISS014-E-19496</a>	29N	7.6W	Ouarkziz	Algeria	4/16/2007	E4: Kodak DCS760C	800 mm
6	<a href="#">ISS015-E-17360</a>	23.9S	132.3E	Gosses Bluff	Australia	7/13/2007	E4: Kodak DCS760C	400 mm
7	<a href="#">ISS018-E-14908</a>	22.9N	10.4W	Tenoumer	Mauritania	12/20/2008	Nikon D2X	800 mm
8	<a href="#">ISS018-E-23713</a>	20N	76.5E	Lonar	India	1/28/2009	Nikon D2X	800 mm
	<a href="#">STS51I-33-56AA</a>	27S	27.3E	Vredefort	South Africa	8/29/1985	Hasselblad	250 mm
	<a href="#">STS61A-35-86</a>	56.5N	74.7W	Clearwater Lakes (East & West)	Canada	11/1/1985	Hasselblad	250 mm
	<a href="#">ISS028-E-14782</a>	25.52S	120.53E	Shoemaker	Australia	7/6/2011	Nikon D2X	200 mm
	<a href="#">ISS034-E-29105</a>	17.32S	128.25E	Piccaninny	Australia	1/15/2013	Nikon D2X	180 mm

## CRATER IMAGE METADATA

### MARS IMAGES

BMM Image #	Image ID#	LAT.	LONG.	Crater Name	Geographic Region	*Date or Approx. YR Acquired	Camera/ Instrument	Mission Name
	<a href="#">PIA14290</a>	5.4S	137.8E	Gale	Aeolis Mensae	2000's	THEMIS IR	Odyssey
	<a href="#">THEMIS IR MOSAIC</a>	14.5S	175.4E	Gusev	Aeolis Quadrangle	2000's	THEMIS IR	Odyssey
	<a href="#">Colorized MOLA</a>	42S	67E	Hellas Basin	Hellas Planitia	2000's	Mars Orbiter Laser Altimeter (MOLA)	Global Surveyor
	<a href="#">Viking Orbiter Mosaic</a>	26.5S	33.9W	Holden	Margaritifer Sinus	1970's	Visual Imaging Subsystem	Viking
2	<a href="#">V05055010</a>	31.3N	19.1E	unnamed	Northern Arabia	2/3/2003	THEMIS VIS	Odyssey
5	<a href="#">V11030007</a>	20.7N	125.9E	unnamed	Elysium Planitia	6/9/2004	THEMIS VIS	Odyssey
7	<a href="#">V01605003</a>	14.7S	174.7E	unnamed	within Gusev Crater	4/25/2002	THEMIS VIS	Odyssey
10	<a href="#">V18317011</a>	0.3N	155.5E	unnamed	Elysium Planitia	2000's	THEMIS VIS	Odyssey
12	<a href="#">MOC2-1225a</a>	24S	33W	unnamed	Margaritifer Terra	2000's	Mars Obiter Camera	Global Surveyor
13	<a href="#">ESP_013954_1780</a>	2.1S	354.5E	Victoria	Meridiani Planum	7/18/2009	HiRise	Mars Reconnaissance Orbiter (MRO)
14	<a href="#">V01695013</a>	0.04N	71.9E	unnamed	Syrtis Major	6/6/2002	THEMIS VIS	Odyssey
16	THEMIS IR MOSAIC	42S	92W	unnamed	<a href="#">Thaumasia Highlands (Warrego Vallis)</a>	2000's	THEMIS IR	Odyssey

\*Estimated date/year based on mission time frame

## CRATER IMAGE METADATA

### EARTH'S MOON

BMM Image #	Image ID#	LAT.	LONG.	Crater Name	Geographic Region	*Date or Approx. YR Acquired	Camera/ Instrument	Mission Name
	<a href="#">Clementine Mosaic</a>	75S	132.4E	Schrodinger	near south lunar pole on far side of Moon	1990's	UVVIS camera	Clementine
	<a href="#">PIA14023</a>	19.4S	95W	Orientale	western border of the Moon's nearside and farside	2010's	Wide Angle Camera (WAC)	Lunar Reconnaissance Orbiter (LRO)
	<a href="#">M104584833CE</a>	43.4S	11.1W	Tycho	southern lunar highlands	2010's	WAC	LRO
	<a href="#">LROC WAC Mosaic</a>	23.7N	47.4W	Aristarchus	Oceanus Procellarium	2010's	WAC	LRO
	<a href="#">LROC WAC Mosaic</a>	9.62N	20.1W	Copernicus	Oceanus Procellarium	2010's	WAC	LRO
	<a href="#">AS17-151-23260</a>	9.62N	20.1W	Copernicus	Oceanus Procellarium	December 1972	Hasselblad	Apollo 17
1	<a href="#">AS12-50-7438</a>	1N	15.2W	unnamed	Mare Insularum	November 1969	Hasselblad	Apollo 12
2	<a href="#">AS12 h 50 7431</a>	5.7S	2.1W	Herschel	Sinus Medii	November 1969	Hasselblad	Apollo 12
3	<a href="#">AS16-0692</a>	11.4S	26.4E	Theophilus	Kant Plateau	April 1972	Metric Mapping	Apollo 16
4	<a href="#">L05-H105</a>	25.5N	2.8E	Hadley C	Mare Imbrium	8/14/1967	Medium Resolution Camera	Lunar Orbiter
5	<a href="#">AS15-1010</a>	25.8N	21.0W	Lambert	Mare Imbrium	1971	Metric Mapping	Apollo 15
6	<a href="#">AS15-M-0424</a>	27N	9W	Feuillee and Beer	Mare Imbrium	7/31/1971	Metric Mapping	Apollo 15
7	<a href="#">AS15-2606</a>	25.5N	44.1W	Prinz (Center) [Aristarchus (bright crater/upper right)]	Oceanus Procellarium	Aug.1971	Metric Mapping	Apollo 15
8	<a href="#">AS15-2083</a>	29N	45.6W	Krieger and Van Biesbroeck	Oceanus Procellarium	1971	Metric Mapping	Apollo 15

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## CRATER IMAGE METADATA

### MERCURY

BMM Image #	Image ID#	LAT.	LONG.	Crater Name	Geographic Region	*Date or Approx. YR Acquired	Camera/ Instrument	Mission Name
1	<a href="#">PIA12163</a>	**dnf	**dnf	unnamed	**dnf	10/6/2008	Narrow Angle Camera (NAC)	MESSENGER
2	<a href="#">PIA12068</a>	**dnf	**dnf	unnamed	**dnf	10/6/2008	NAC	MESSENGER
3	<a href="#">PIA12049</a>	33.2S	271.8W	Rembrandt Basin	Rembrandt Basin	10/6/2008	NAC	MESSENGER
4	<a href="#">PIA11355</a>	11S	31.5W	Kuiper	Kuiper quadrangle	10/6/2008	NAC	MESSENGER
5	<a href="#">PIA12368</a>	**dnf	**dnf	unnamed	**dnf	9/29/2009	NAC	MESSENGER
6	<a href="#">PIA12054</a>	**dnf	**dnf	unnamed	**dnf	10/6/2008	NAC	MESSENGER
7	<a href="#">PIA12370</a>	**dnf	**dnf	unnamed	**dnf	9/29/2009	NAC	MESSENGER
8	<a href="#">PIA12116</a>	15.2N	48.1W	Lermontov	Kuiper quadrangle	10/6/2008	NAC	MESSENGER
	<a href="#">MESSENGER MOSAIC</a>	18S*	308E*	Renoir	**dnf	2010's	Wide Angle Camera (WAC)	MESSENGER
	<a href="#">575089</a>	28.3S	146.9E	Pahinui	**dnf	7/31/2011	NAC	MESSENGER
	<a href="#">1566240</a>	44.13S	251.5E	Michelangelo	**dnf	3/26/2012	NAC	MESSENGER

\*Approximation

\*\*dnf = data not found

## CRATER IMAGE METADATA

### VENUS

BMM Image #	Image ID#	LAT.	LONG.	Crater Name	Geographic Region	*Date or Approx. YR Acquired	Camera/ Instrument	Mission Name
4	<a href="#">PIA00086</a>	27S	339W	unnamed	Lavinia	Sept. 1990	Imaging Radar	Magellan
6	<a href="#">PIA00466</a>	15N	5E	unnamed	Eistla Region	1990's	Imaging Radar	Magellan
7	<a href="#">PIA00239</a>	20.3N	331.8E	Aurelia (proposed name)	Guinevere Planitia	1990's	Imaging Radar	Magellan
	<a href="#">PIA00479</a>	74.6N	177.3E	Dickinson	NE Atalanta Region	1990's	Imaging Radar	Magellan
	<a href="#">PIA00463</a>	27.4N	337.5E	Barton	East of Guinevere Planitia	Sept. 1990	Imaging Radar	Magellan
	<a href="#">PIA00148</a>	12.5N	57.4E	Mead	North of Aphrodite Terra	11/12/1990	Imaging Radar	Magellan
	<a href="#">PIA00100</a>	29.9N	282.9E	unnamed	Beta Regio	1990's	Imaging Radar	Magellan
	<a href="#">PIA00480</a>	30S	204E	Isabella	East of Dali Chasma	1990's	Imaging Radar	Magellan

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## CRATER IMAGE METADATA

### VESTA

BMM Image #	Image ID#	*LAT.	*LONG.	Crater Name	Geographic Region	Date Acquired	Camera/ Instrument	Mission Name
	<a href="#">PIA15239</a>	39S	155E	Laelia	Sextilia Quadrangle	1/8/2012	Framing Camera	Dawn
	<a href="#">PIA15598</a>	39S	155E	Sextilia (upper right), Laelia (lower left)	Sextilia Quadrangle	10/2/2011	Framing Camera	Dawn
	<a href="#">PIA15649</a>	**dnf	**dnf	Octavia	Marcia Quadrangle	10/14/2011	Framing Camera	Dawn
	<a href="#">PIA16491</a>	**dnf	**dnf	Fonteia	Rheasilvia Quadrangle	2/7/2012	Framing Camera	Dawn
	<a href="#">PIA16489</a>	11S	224E	Cornelia	Numisia Quadrangle	1/11/2012	Framing Camera	Dawn
	<a href="#">PIA15235</a>	34S	295E	Canuleia	Urbina Quadrangle	10/25/2011	Framing Camera	Dawn
	<a href="#">PIA15324</a>	63S	77E	unnamed	Pinaria Quadrangle	8/29/2011	Framing Camera	Dawn
	<a href="#">IOTD-127</a>	5.9S	248.2E	Numisia	Numisia Quadrangle	10/21/2011	Framing Camera	Dawn
	<a href="#">IOTD-174</a>	26S	220E	Vibidia	Tuccia Quadrangle	10/21/2011	Framing Camera	Dawn
	<a href="#">IOTD-128</a>	6.5S	307.8E	Oppia	Oppia Quadrangle	10/11/2011	Framing Camera	Dawn

\*Approximate location

\*\*dnf = data not found